

## **CLAIM AMENDMENTS**

1. (Currently Amended) Equipment for the purification of gases ~~employing comprising at least one or several heat exchanging matrices~~ matrix, said matrix adapted to heat where the gas in a regenerative process is heated to oxidation or decomposition temperature, characterized by that the at least one of the heat exchanging matrices matrix comprises comprising at least three zones, at least one zone is a catalytic zone that is catalytically active in promoting reduction of nitrogen oxides and at least one zone is a hot zone, said catalytic zone is spaced a distance from the hot zone and has a temperature below the oxidation or reduction temperature.
2. (Currently Amended) Equipment for the purification of gases ~~employing comprising a single heat exchanging matrix~~ said matrix adapted to heat where the gas is heated in a regenerative process to oxidation or decomposition temperature, the heat exchanging matrix comprises comprising two catalytic zones that are catalytically active and situated on each side of the a hot center centre zone of the matrix and each catalytic zone is spaced a distance from the hot center zone and has a temperature below the oxidation temperature.
3. (Currently Amended) Equipment according to claim 1, ~~characterized by that it comprises further comprising a~~ means for the supply of agents ~~to the incoming gas flow that reduce nitrogen oxides.~~
4. (Currently Amended) Equipment according to claim 3, wherein said equipment is adapted to interrupt a ~~characterized by that the supply of reducing agent is interrupted for a short while in connection with change of direction of gas flow through the equipment.~~
5. (Currently Amended) Equipment according to claim 1, ~~characterized by that wherein the equipment is adapted to maintain a~~ supply of reducing agent ~~is maintained only when the gas to be treated goes through the equipment in such a way that it the gas to be treated passes a zone that is catalytically active before it reaches temperatures that are so high that oxidation or decomposition occurs.~~
6. (Currently Amended) Equipment according to claim 2, ~~characterized by that it comprises a~~ means for the supply of agents ~~to the incoming gas flow that reduce nitrogen oxides.~~

7. (New) Equipment according to claim 6, wherein said equipment is adapted to interrupt a supply of reducing agent for a short while in connection with change of direction of gas flow through the equipment.

8. (New) Equipment according to claim 2, wherein the equipment is adapted to maintain a supply of reducing agent only when the gas to be treated goes through the equipment in such a way that the gas to be treated passes a zone that is catalytically active before it reaches temperatures that are so high that oxidation or decomposition occurs.